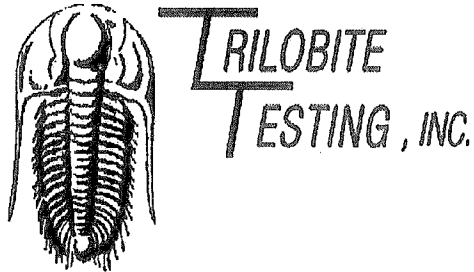


15-109-20918

17-13s-32w

IND



DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

17-13-32 Logan, Ks

Campbell 1-17

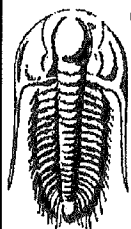
Start Date: 2010.07.05 @ 09:35:31

End Date: 2010.07.05 @ 16:26:55

Job Ticket #: 39090 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co.

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

Campbell 1-17

17-13-32 Logan, Ks

Job Ticket: 39090

DST#: 1

Test Start: 2010.07.05 @ 09:35:31

GENERAL INFORMATION:

Formation: **Lansing A&B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:25:56

Time Test Ended: 16:26:55

Interval: **4005.00 ft (KB) To 4050.00 ft (KB) (TVD)**

Total Depth: 4050.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Reference Elevations: 3027.00 ft (KB)

3017.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press@RunDepth: 77.00 psig @ 4006.00 ft (KB)

Start Date: 2010.07.05 End Date: 2010.07.05

Start Time: 09:35:31 End Time: 16:26:55

Capacity: 8000.00 psig

Last Calib.: 2010.07.05

Time On Btm: 2010.07.05 @ 11:25:41

Time Off Btm: 2010.07.05 @ 14:28:40

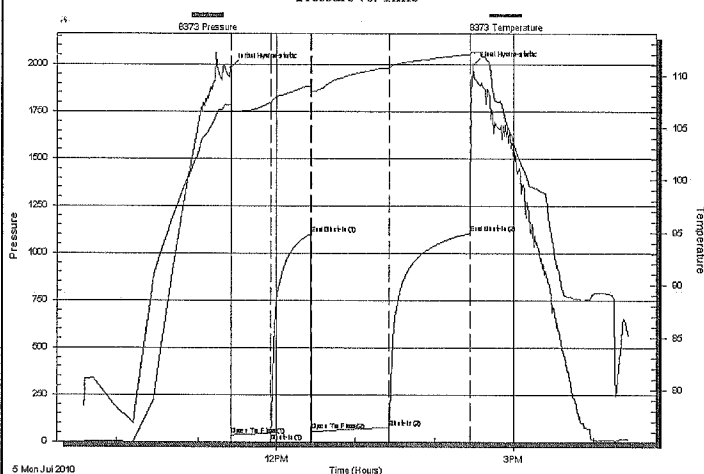
TEST COMMENT: IF: 1/4 blow died in 6 min.

IS: No return.

FF: Surface blow built to 1 1/2 in 60 min.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

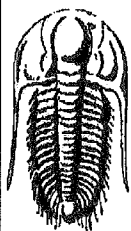
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1984.20	107.25	Initial Hydro-static
1	36.16	106.62	Open To Flow (1)
30	46.25	107.43	Shut-In(1)
61	1102.31	109.03	End Shut-In(1)
61	58.54	108.56	Open To Flow (2)
120	77.00	110.69	Shut-In(2)
181	1106.10	112.04	End Shut-In(2)
183	1996.91	112.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mud oil spots 100%o	0.61
1.00	free oil 100%o	0.01

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 39090

DST#: 1

ATTN: Tim Priest

Test Start: 2010.07.05 @ 09:35:31

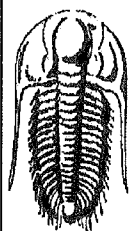
Tool Information

Drill Pipe:	Length: 3867.00 ft	Diameter: 3.80 inches	Volume: 54.24 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	100000.0 lb
		Total Volume:	54.85 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4005.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	45.00 ft				
Tool Length:	65.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3986.00	
Shut In Tool	5.00			3991.00	
Hydraulic tool	5.00			3996.00	
Packer	5.00			4001.00	20.00 Bottom Of Top Packer
Packer	4.00			4005.00	*
Stubb	1.00			4006.00	
Recorder	0.00	8373	Inside	4006.00	
Recorder	0.00	8289	Outside	4006.00	
Perforations	6.00			4012.00	
Change Over Sub	1.00			4013.00	
Drill Pipe	31.00			4044.00	
Change Over Sub	1.00			4045.00	
Bullnose	5.00			4050.00	45.00 Bottom Packers & Anchor

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 39090

DST#: 1

ATTN: Tim Priest

Test Start: 2010.07.05 @ 09:35:31

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.67 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	mud oil spots 100%o	0.610
1.00	free oil 100%o	0.014

Total Length: 125.00 ft

Total Volume: 0.624 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

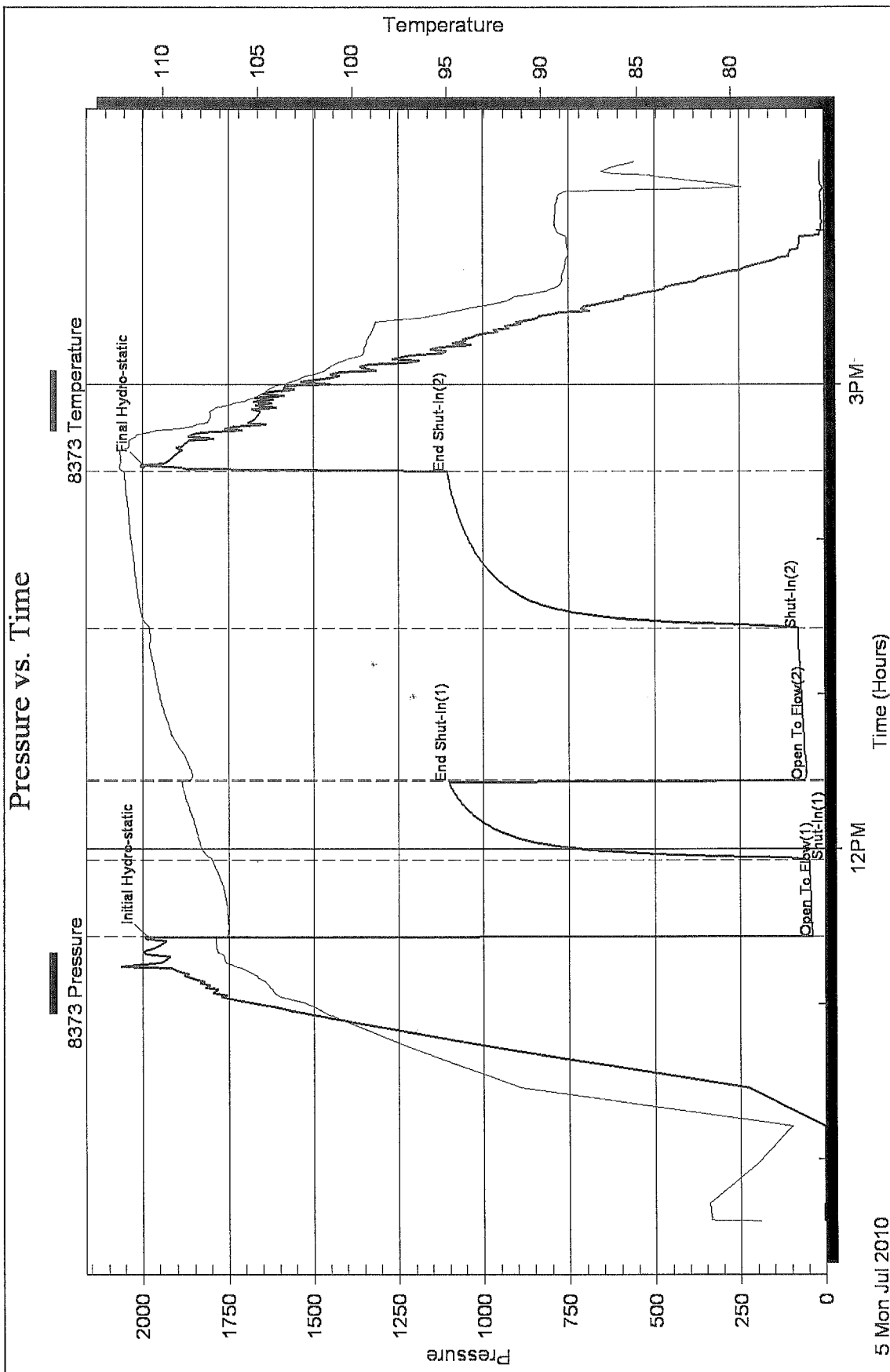
Serial #:

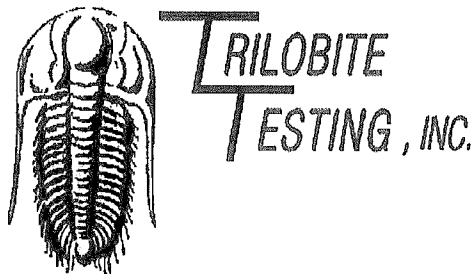
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

17-13-32 Logan, Ks

Campbell 1-17

Start Date: 2010.07.06 @ 01:06:22

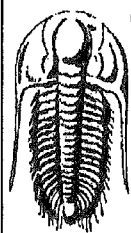
End Date: 2010.07.06 @ 08:47:46

Job Ticket #: 39091 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co.

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

Campbell 1-17

17-13-32 Logan, Ks

Job Ticket: 39091

DST#: 2

Test Start: 2010.07.06 @ 01:06:22

GENERAL INFORMATION:

Formation: **Lansing D-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:58:17

Time Test Ended: 08:47:46

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4051.00 ft (KB) To 4096.00 ft (KB) (TVD)**

Total Depth: 4096.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3027.00 ft (KB)

3017.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press@RunDepth: 680.81 psig @ 4052.00 ft (KB)

Start Date: 2010.07.06

End Date: 2010.07.06

Start Time: 01:06:22

End Time: 08:47:46

Capacity: 8000.00 psig

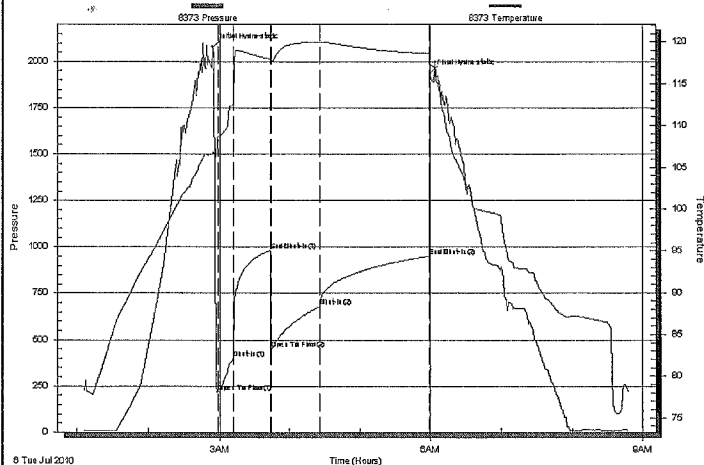
Last Calib.: 2010.07.06

Time On Btm: 2010.07.06 @ 02:54:17

Time Off Btm: 2010.07.06 @ 05:59:46

TEST COMMENT: IF: BOB in 1 min.
IS: No return.
FF: BOB in 2 min.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

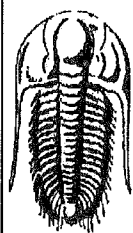
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2078.01	106.58	Initial Hydro-static
4	218.08	108.58	Open To Flow (1)
18	396.98	112.60	Shut-In(1)
50	982.87	117.97	End Shut-In(1)
50	453.32	117.70	Open To Flow (2)
92	680.81	119.91	Shut-In(2)
185	951.40	118.62	End Shut-In(2)
186	1936.02	117.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
868.00	water 100%w	11.05
248.00	mcw trace of oil 90%w 10%m	3.48
372.00	w cm trace of oil 30%w 70%m	5.22
1.00	free oil 100%o	0.01

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 39091

DST#: 2

ATTN: Tim Priest

Test Start: 2010.07.06 @ 01:06:22

Tool Information

Drill Pipe:	Length: 3927.00 ft	Diameter: 3.80 inches	Volume: 55.09 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	100000.0 lb
			Total Volume: 55.70 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4051.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	45.00 ft				
Tool Length:	65.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

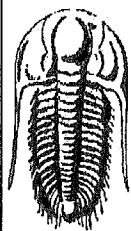
Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Stubb	1.00			4032.00	
Shut In Tool	5.00			4037.00	
Hydraulic tool	5.00			4042.00	
Packer	5.00			4047.00	20.00 Bottom Of Top Packer
Packer	4.00			4051.00	
Stubb	1.00			4052.00	
Recorder	0.00	8373	Inside	4052.00	
Recorder	0.00	8289	Outside	4052.00	
Perforations	6.00			4058.00	
Change Over Sub	1.00			4059.00	
Drill Pipe	31.00			4090.00	
Change Over Sub	1.00			4091.00	
Bullnose	5.00			4096.00	45.00 Bottom Packers & Anchor

Total Tool Length: 65.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 39091

DST#: 2

ATTN: Tim Priest

Test Start: 2010.07.06 @ 01:06:22

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

36000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.49 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
868.00	water 100%w	11.046
248.00	mcw trace of oil 90%w 10%m	3.479
372.00	w cm trace of oil 30%w 70%m	5.218
1.00	free oil 100%o	0.014

Total Length: 1489.00 ft

Total Volume: 19.757 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

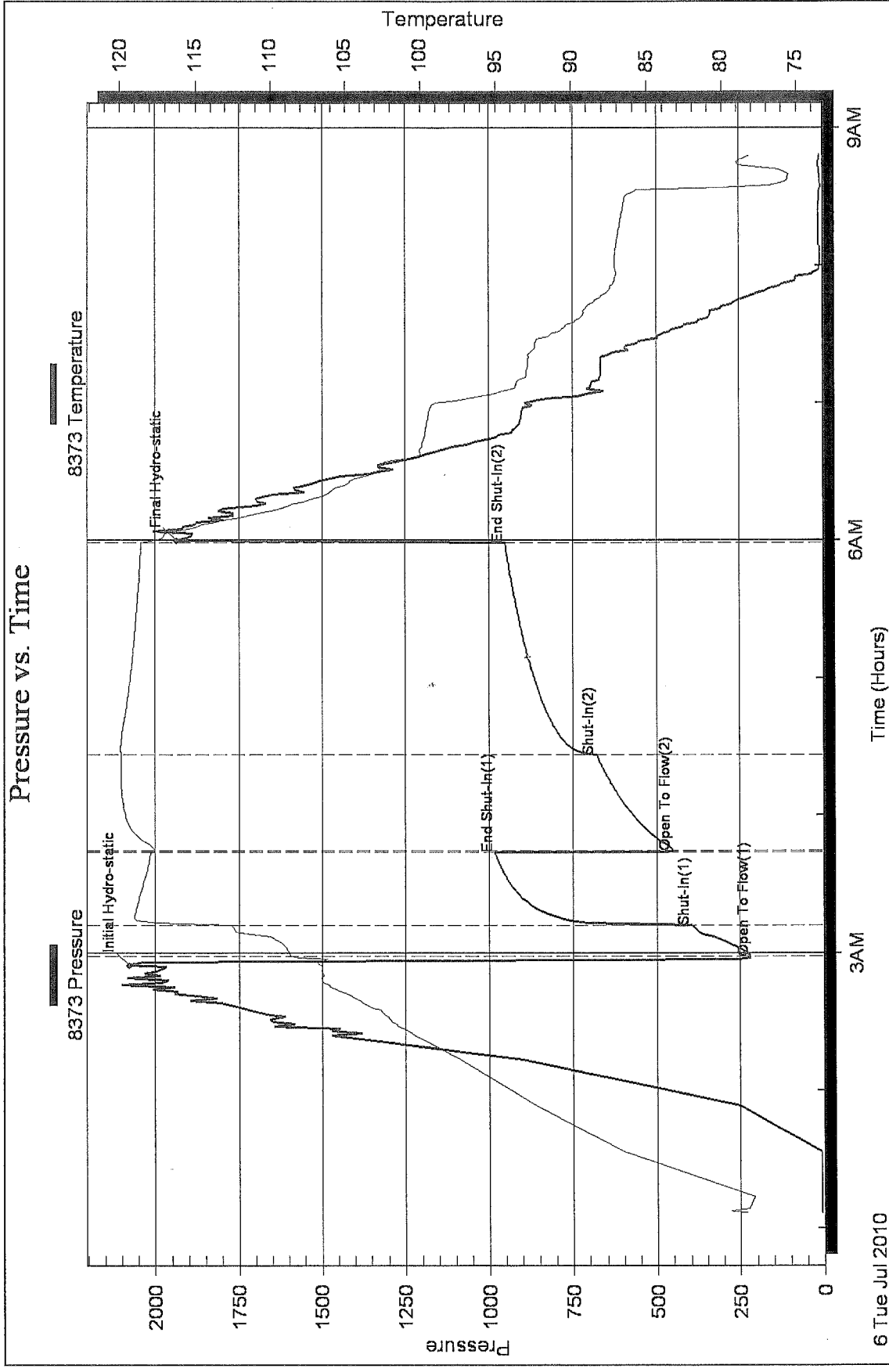
Serial #: 4

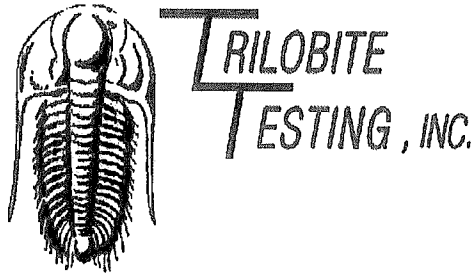
Laboratory Name:

Laboratory Location:

Recovery Comments: .21@67= 36000

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

17-13-32 Logan, Ks

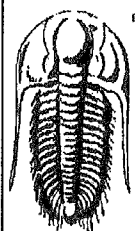
Campbell 1-17

Start Date: 2010.07.06 @ 20:45:05

End Date: 2010.07.07 @ 04:25:14

Job Ticket #: 039158 DST #: 3

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co.

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

Campbell 1-17

17-13-32 Logan, Ks

Job Ticket: 039158

DST#: 3

Test Start: 2010.07.06 @ 20:45:05

GENERAL INFORMATION:

Formation: **Lansing "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:17:30

Time Test Ended: 04:25:14

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 35

Interval: **4148.00 ft (KB) To 4184.00 ft (KB) (TVD)**

Total Depth: 4184.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3027.00 ft (KB)

3017.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press@RunDepth: 289.31 psig @ 4149.00 ft (KB)

Start Date: 2010.07.06

End Date:

2010.07.07

Start Time: 20:45:05

End Time:

04:25:14

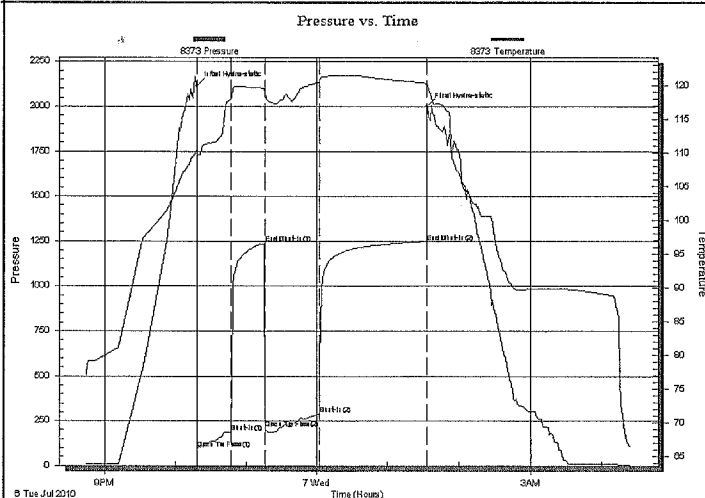
Capacity: 8000.00 psig

Last Calib.: 2010.07.07

Time On Btm: 2010.07.06 @ 22:17:15

Time Off Btm: 2010.07.07 @ 01:33:44

TEST COMMENT: IF:B.O.B. in 12 min
IS:No return blow
FF:B.O.B in 8 min
FS:Return blow built to 3"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2115.38	110.31	Initial Hydro-static
1	97.44	109.59	Open To Flow (1)
30	188.93	117.94	Shut-In(1)
59	1235.45	119.49	End Shut-In(1)
59	209.23	118.93	Open To Flow (2)
105	289.31	120.44	Shut-In(2)
196	1246.03	120.27	End Shut-In(2)
197	2001.95	120.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	GCMWO 3% g 15%w 30%m 52%o	2.35
186.00	GCMWO 5%g 5%w 5% m 85%o	2.61
248.00	GCMWO 5%g 5%m 15%w 70% o	3.48
62.00	Free oil 100% o	0.87

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 039158

DST#: 3

ATTN: Tim Priest

Test Start: 2010.07.06 @ 20:45:05

Tool Information

Drill Pipe:	Length: 4020.00 ft	Diameter: 3.80 inches	Volume: 56.39 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	100000.0 lb
		Total Volume:	57.00 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4148.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	36.00 ft				
Tool Length:	56.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			4129.00	
Shut In Tool	5.00			4134.00	
Hydraulic tool	5.00			4139.00	
Packer	5.00			4144.00	20.00 Bottom Of Top Packer
Packer	4.00			4148.00	
Stubb	1.00			4149.00	
Recorder	0.00	8373	Inside	4149.00	
Recorder	0.00	8289	Outside	4149.00	
Perforations	30.00			4179.00	
Bullnose	5.00			4184.00	36.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 039158

DST#: 3

ATTN: Tim Priest

Test Start: 2010.07.06 @ 20:45:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.87 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	GCMWO 3% g 15%w 30%m 52%o	2.349
186.00	GCMWO 5%g 5%w 5% m 85%o	2.609
248.00	GCMWO 5%g 5%m 15%w 70% o	3.479
62.00	Free oil 100% o	0.870

Total Length: 744.00 ft

Total Volume: 9.307 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

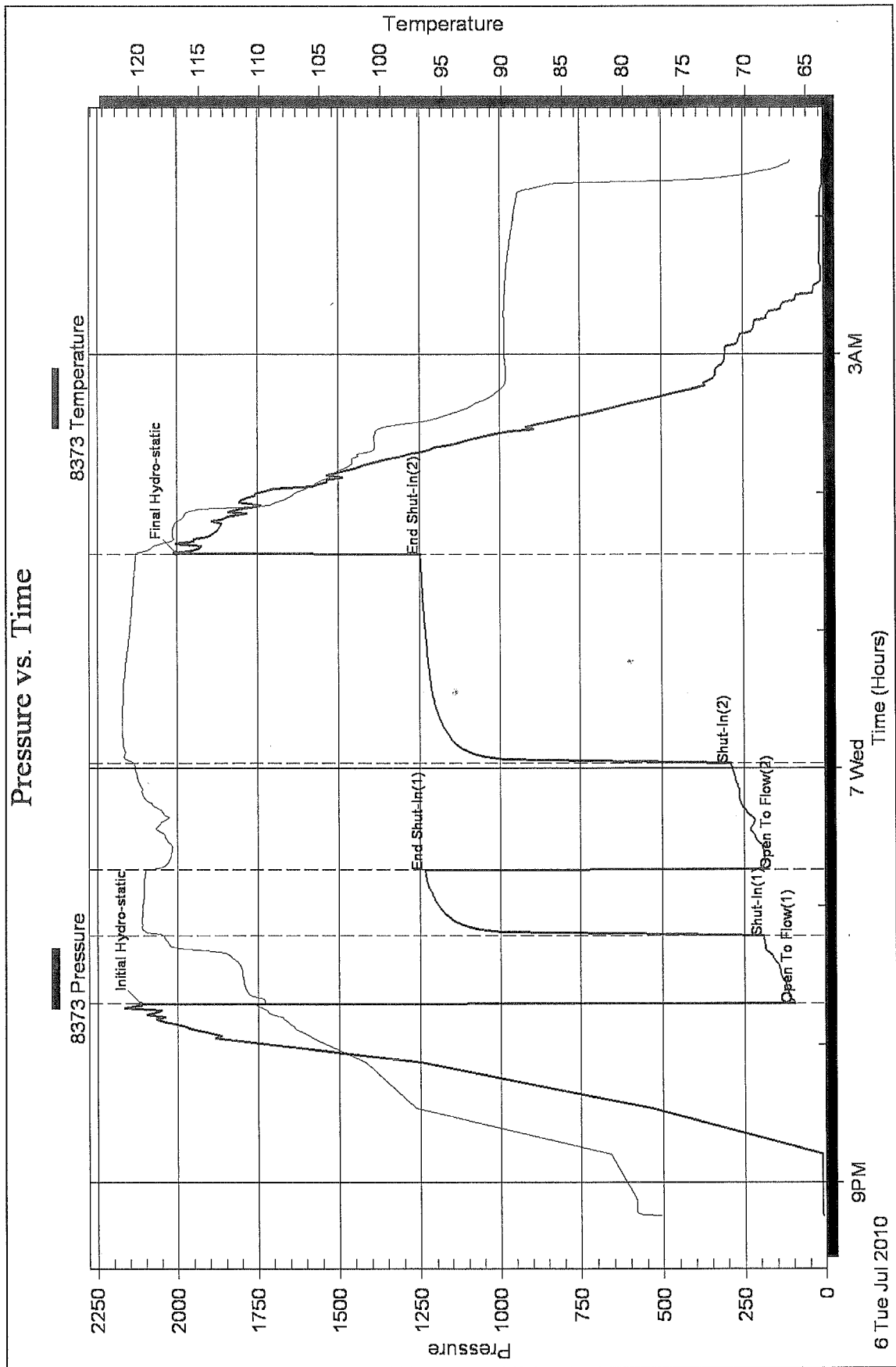
Serial #:

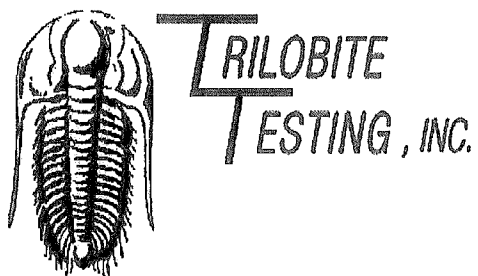
Laboratory Name:

Laboratory Location:

Recovery Comments: API= 37 @ 70* corrected to 36 @ 60*

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

17-13-32 Logan, Ks

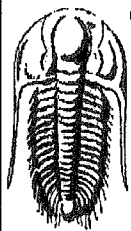
Campbell 1-17

Start Date: 2010.07.07 @ 15:10:05

End Date: 2010.07.07 @ 20:26:14

Job Ticket #: 039159 DST #: 4

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PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co.

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

Campbell 1-17

17-13-32 Logan, Ks

Job Ticket: 039159

DST#:4

Test Start: 2010.07.07 @ 15:10:05

GENERAL INFORMATION:

Formation: **Lansing "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:42:45

Time Test Ended: 20:26:14

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 35

Interval: **4183.00 ft (KB) To 4219.00 ft (KB) (TVD)**

Reference Elevations: 3027.00 ft (KB)

Total Depth: 4219.00 ft (KB) (TVD)

3017.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press@RunDepth: 32.05 psig @ 4184.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.07.07

End Date: 2010.07.07

Last Calib.: 2010.07.07

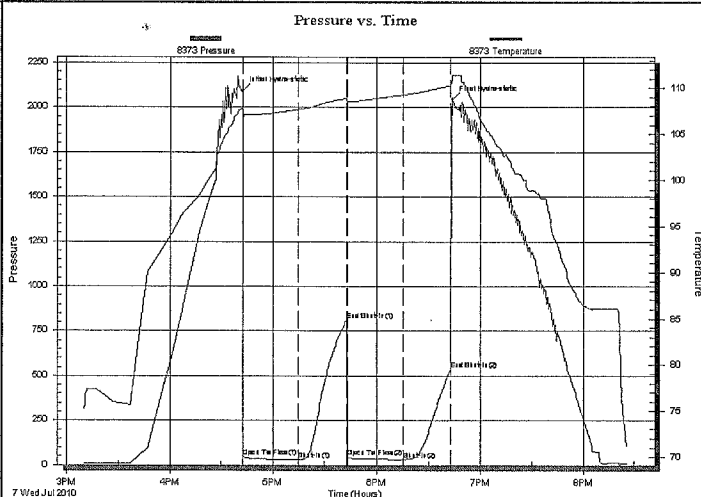
Start Time: 15:10:05

End Time: 20:26:14

Time On Btm: 2010.07.07 @ 16:42:30

Time Off Btm: 2010.07.07 @ 18:43:45

TEST COMMENT: IF: Built to very weak surface blow
IS: no return blow
FF: no blow
FS: no return blow



PRESSURE SUMMARY

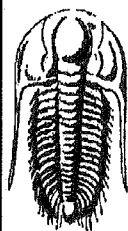
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2091.74	107.74	Initial Hydro-static
1	47.52	106.49	Open To Flow (1)
33	30.86	107.67	Shut-In(1)
61	813.88	108.91	End Shut-In(1)
61	45.53	108.34	Open To Flow (2)
93	32.05	109.30	Shut-In(2)
120	536.04	110.30	End Shut-In(2)
122	2046.21	111.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	MWOspots 100%	0.02

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 039159

DST#: 4

ATTN: Tim Priest

Test Start: 2010.07.07 @ 15:10:05

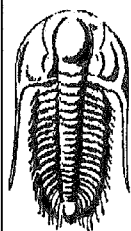
Tool Information

Drill Pipe:	Length: 4050.00 ft	Diameter: 3.80 inches	Volume: 56.81 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 57.42 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	4183.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	36.00 ft				
Tool Length:	56.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4164.00	
Shut In Tool	5.00			4169.00	
Hydraulic tool	5.00			4174.00	
Packer	5.00			4179.00	20.00 Bottom Of Top Packer
Packer	4.00			4183.00	
Stubb	1.00			4184.00	
Recorder	0.00	8373	Inside	4184.00	
Recorder	0.00	8289	Outside	4184.00	
Perforations	30.00			4214.00	
Bullnose	5.00			4219.00	36.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 039159

DST#: 4

ATTN: Tim Priest

Test Start: 2010.07.07 @ 15:10:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 9.49 in³

Resistivity: 0.00 ohm.m

Salinity: 3700.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

0 deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	MWOspots 100%	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

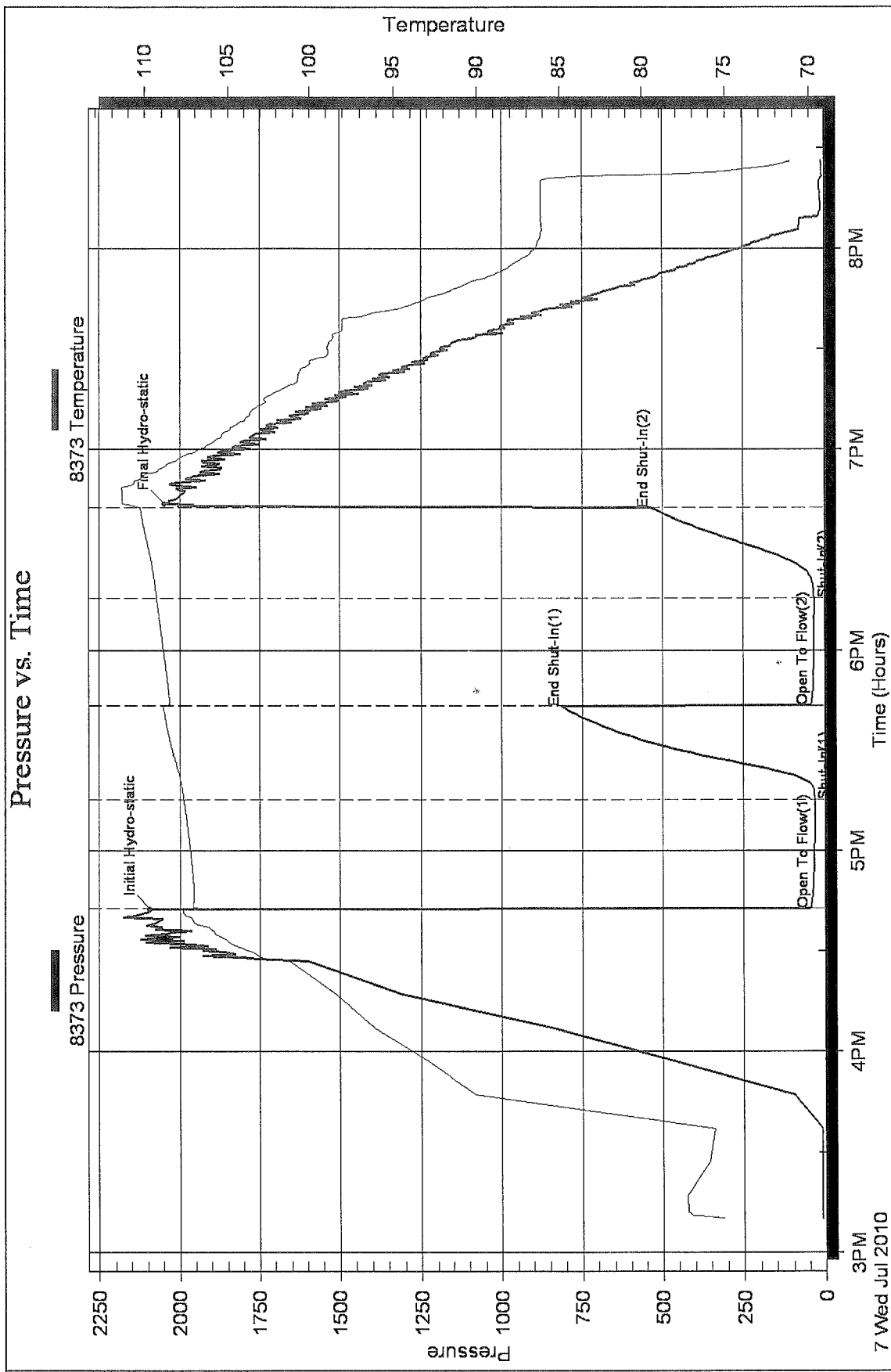
Serial #:

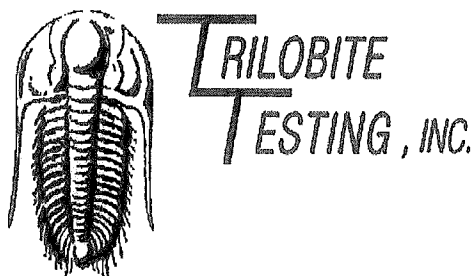
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

17-13-32 Logan, Ks

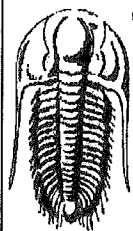
Campbell 1-17

Start Date: 2010.07.08 @ 07:58:05

End Date: 2010.07.08 @ 14:11:14

Job Ticket #: 039160 DST #: 5

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co.

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

Campbell 1-17

17-13-32 Logan, Ks

Job Ticket: 039160

DST#: 5

Test Start: 2010.07.08 @ 07:58:05

GENERAL INFORMATION:

Formation: "K"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:37:00

Time Test Ended: 14:11:14

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 35

Interval: 4243.00 ft (KB) To 4274.00 ft (KB) (TVD)

Total Depth: 4274.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3027.00 ft (KB)

3017.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press@RunDepth: 65.48 psig @ 4244.00 ft (KB)

Start Date: 2010.07.08

End Date:

2010.07.08

Start Time: 07:58:05

End Time:

14:11:14

Capacity: 8000.00 psig

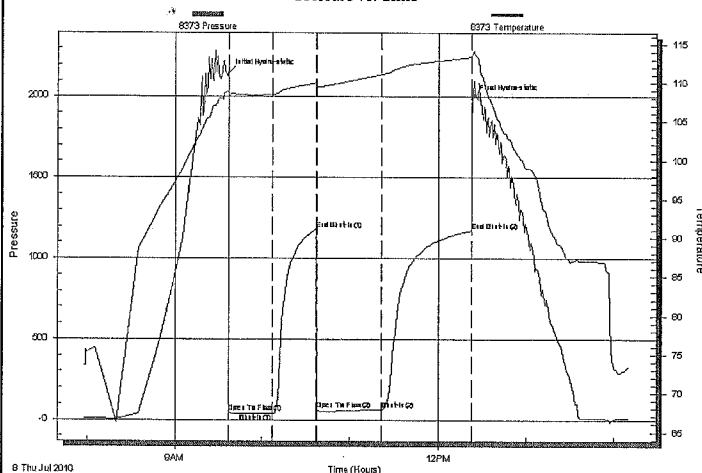
Last Calib.: 2010.07.08

Time On Btm: 2010.07.08 @ 09:36:45

Time Off Btm: 2010.07.08 @ 12:22:59

TEST COMMENT: IF: Built to 1" blow
IS: No return blow
FF: Built to surface blow
FS: No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2145.61	108.88	Initial Hydro-static
1	46.03	108.16	Open To Flow (1)
31	41.94	108.52	Shut-In(1)
61	1178.19	109.96	End Shut-In(1)
61	62.63	109.52	Open To Flow (2)
106	65.48	111.06	Shut-In(2)
166	1171.55	113.34	End Shut-In(2)
167	1989.99	113.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mw os 100% m	0.61

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 039160

DST#: 5

ATTN: Tim Priest

Test Start: 2010.07.08 @ 07:58:05

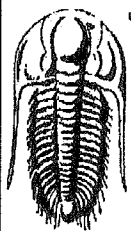
Tool Information

Drill Pipe:	Length: 4109.00 ft	Diameter: 3.80 inches	Volume: 57.64 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 58.25 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 71000.00 lb
Depth to Top Packer:	4243.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			4224.00	
Shut In Tool	5.00			4229.00	
Hydraulic tool	5.00			4234.00	
Packer	5.00			4239.00	20.00 Bottom Of Top Packer
Packer	4.00			4243.00	
Stubb	1.00			4244.00	
Recorder	0.00	8373	Inside	4244.00	
Recorder	0.00	8289	Outside	4244.00	
Perforations	25.00			4269.00	
Bullnose	5.00			4274.00	31.00 Bottom Packers & Anchor
Total Tool Length:	51.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 039160

DST#: 5

ATTN: Tim Priest

Test Start: 2010.07.08 @ 07:58:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.90 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	mw os 100%m	0.610

Total Length: 124.00 ft

Total Volume: 0.610 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

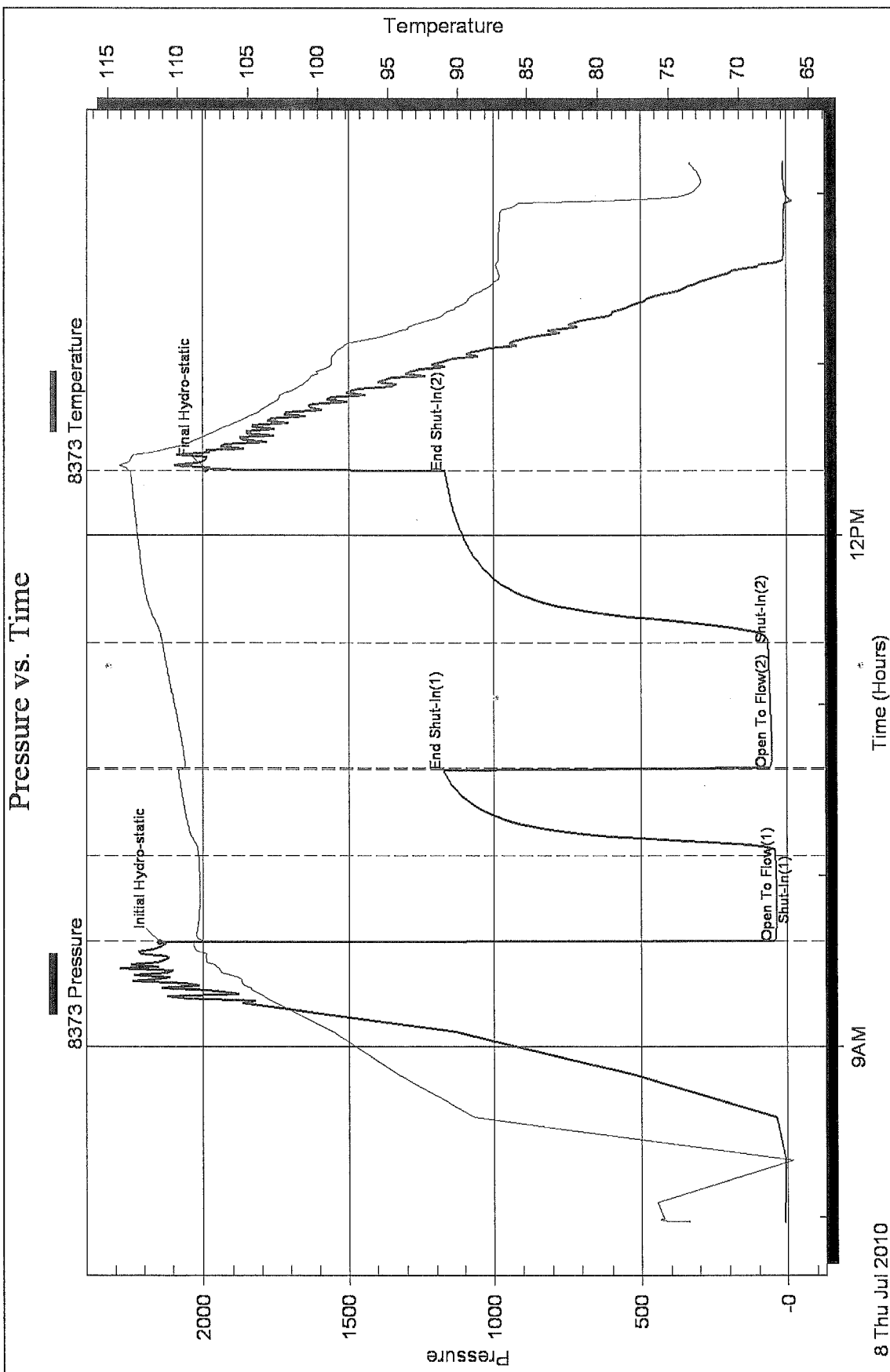
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

17-13-32 Logan, Ks

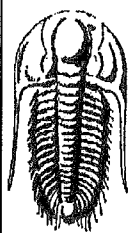
Campbell 1-17

Start Date: 2010.07.08 @ 23:50:05

End Date: 2010.07.09 @ 06:45:14

Job Ticket #: 039161 DST #: 6

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co.

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

Campbell 1-17

17-13-32 Logan, Ks

Job Ticket: 039161

DST#: 6

Test Start: 2010.07.08 @ 23:50:05

GENERAL INFORMATION:

Formation: **Lansng "L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:01:30

Time Test Ended: 06:45:14

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 35

Interval: **4274.00 ft (KB) To 4310.00 ft (KB) (TVD)**

Total Depth: **4274.00 ft (KB) (TVD)**

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3027.00 ft (KB)

3017.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press@RunDepth: 83.79 psig @ 4275.00 ft (KB)

Start Date: 2010.07.08 End Date: 2010.07.09

Start Time: 23:50:05 End Time: 06:45:14

Capacity: 8000.00 psig

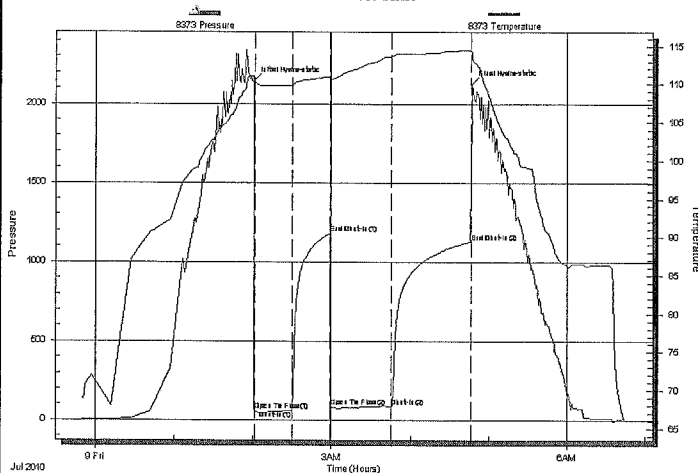
Last Calib.: 2010.07.09

Time On Btm: 2010.07.09 @ 02:01:15

Time Off Btm: 2010.07.09 @ 04:46:29

TEST COMMENT: IF: Built to 1/4" blow
IS: No return blow
FF: Built to 1" blow in 30 min.
FS: No return blow

Pressure vs. Time



PRESSURE SUMMARY

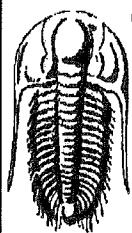
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2143.10	111.04	Initial Hydro-static
1	63.21	110.24	Open To Flow (1)
29	58.83	109.83	Shut-In (1)
58	1181.40	111.00	End Shut-In (1)
59	85.79	110.56	Open To Flow (2)
104	83.79	113.63	Shut-In (2)
165	1127.27	114.47	End Shut-In (2)
166	2122.66	113.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
134.00	mw os 100% m	0.75

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 039161

DST#:6

ATTN: Tim Priest

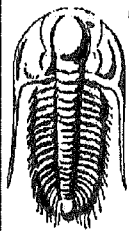
Test Start: 2010.07.08 @ 23:50:05

Tool Information

Drill Pipe:	Length:	4140.00 ft	Diameter:	3.80 inches	Volume:	58.07 bbl	Tool Weight:	1500.00 lb	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb	
Drill Collar:	Length:	124.00 ft	Diameter:	2.25 inches	Volume:	0.61 bbl	Weight to Pull Loose:	100000.0 lb	
					Total Volume:	58.68 bbl	Tool Chased	0.00 ft	
Drill Pipe Above KB:	10.00 ft							String Weight: Initial	70000.00 lb
Depth to Top Packer:	4274.00 ft							Final	72000.00 lb
Depth to Bottom Packer:	ft								
Interval between Packers:	36.00 ft								
Tool Length:	56.00 ft								
Number of Packers:	2	Diameter:	6.75 inches						
Tool Comments:									

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4255.00	
Shut In Tool	5.00			4260.00	
Hydraulic tool	5.00			4265.00	
Packer	5.00			4270.00	20.00 * Bottom Of Top Packer
Packer	4.00			4274.00	
Stubb	1.00			4275.00	
Recorder	0.00	8373	Inside	4275.00	
Recorder	0.00	8289	Outside	4275.00	
Perforations	30.00			4305.00	
Bullnose	5.00			4310.00	36.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 039161

DST#: 6

ATTN: Tim Priest

Test Start: 2010.07.08 @ 23:50:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 9.52 in³

Resistivity: 0.00 ohm.m

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

0 deg API

Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
134.00	mw os 100% m	0.750

Total Length: 134.00 ft

Total Volume: 0.750 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

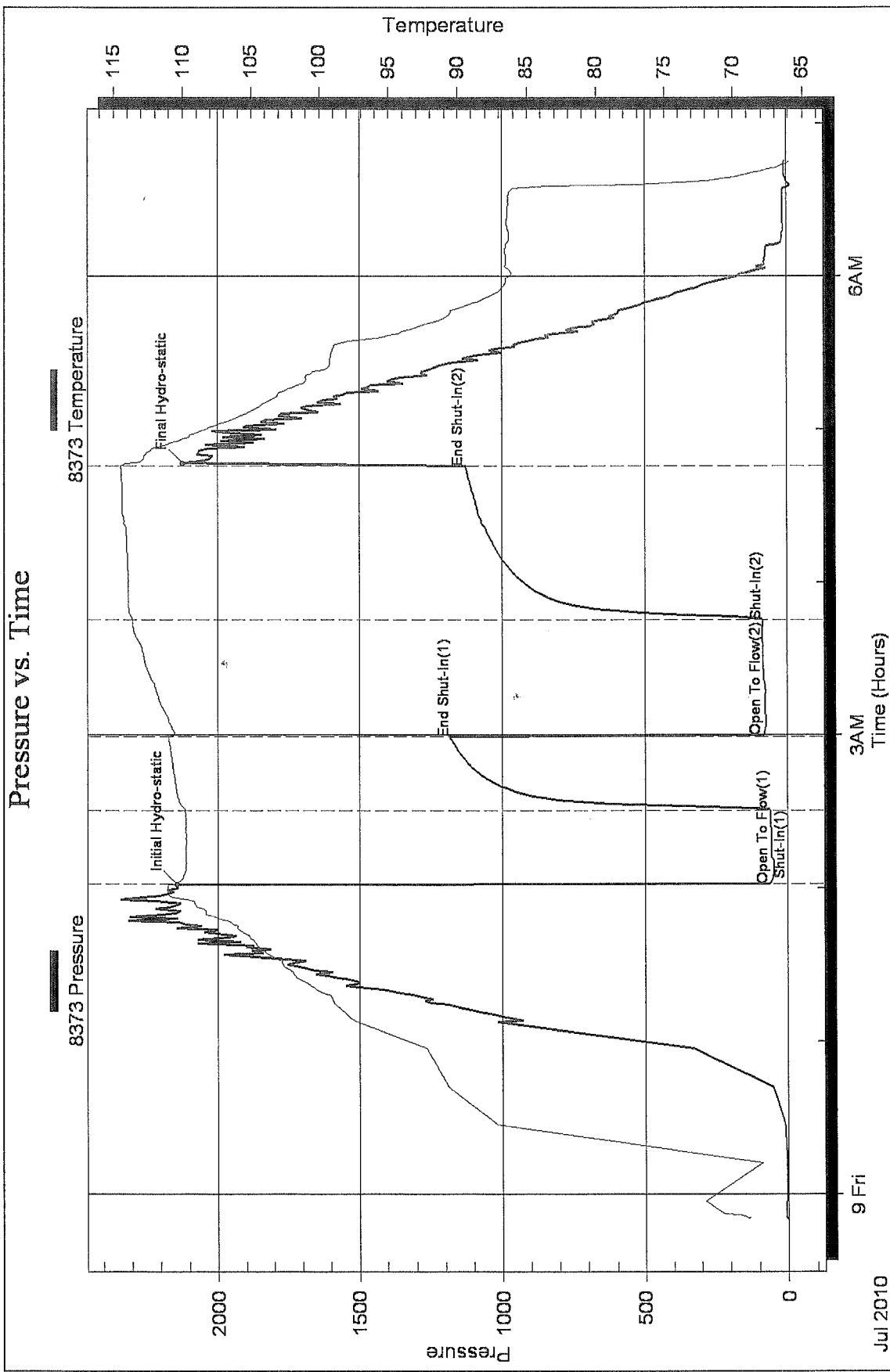
Serial #:

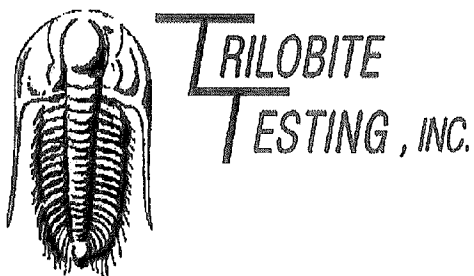
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

17-13-32 Logan, Ks

Campbell 1-17

Start Date: 2010.07.09 @ 20:28:05

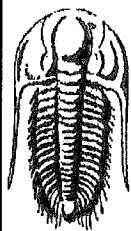
End Date: 2010.07.10 @ 02:15:14

Job Ticket #: 039162 DST #: 7

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co.

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

Campbell 1-17

17-13-32 Logan, Ks

Job Ticket: 039162

DST#: 7

Test Start: 2010.07.09 @ 20:28:05

GENERAL INFORMATION:

Formation: **Altam out**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 21:55:45

Time Test Ended: 02:15:14

Test Type: **Conventional Bottom Hole**

Tester: **Mike Roberts**

Unit No: **35**

Interval: **4350.00 ft (KB) To 4392.00 ft (KB) (TVD)**

Total Depth: **4392.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **3027.00 ft (KB)**

3017.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8373 **Inside**

Press@RunDepth: **57.35 psig @ 4351.00 ft (KB)**

Start Date: **2010.07.09**

End Date: **2010.07.10**

Start Time: **20:28:05**

End Time: **02:15:14**

Capacity: **8000.00 psig**

Last Calib.: **2010.07.10**

Time On Btm: **2010.07.09 @ 21:55:30**

Time Off Btm: **2010.07.10 @ 00:05:00**

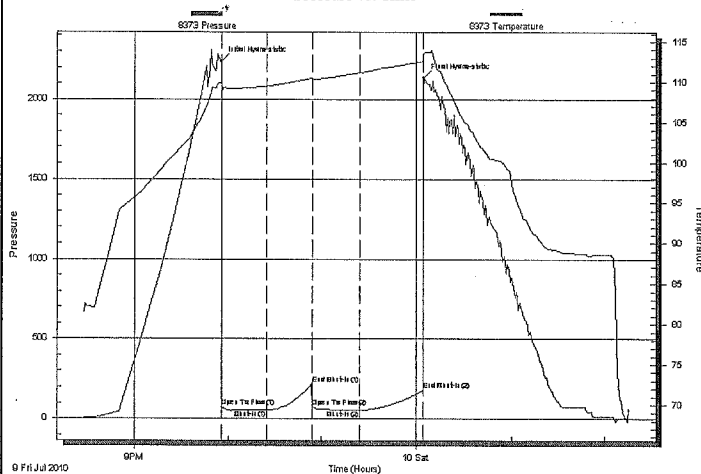
TEST COMMENT: IF: Surface blow died in 7 min

IS: No return blow

FF: No blow

FS: No return blow

Pressure vs. Time



PRESSURE SUMMARY

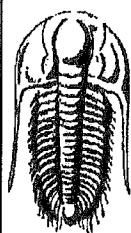
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2236.83	109.92	Initial Hydro-static
1	71.48	108.57	Open To Flow (1)
30	56.17	109.46	Shut-In (1)
59	216.95	110.46	End Shut-In (1)
59	74.06	110.34	Open To Flow (2)
90	57.35	111.17	Shut-In (2)
129	180.60	112.60	End Shut-In (2)
130	2135.14	113.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	m 100%	0.34

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 039162

DST#: 7

ATTN: Tim Priest

Test Start: 2010.07.09 @ 20:28:05

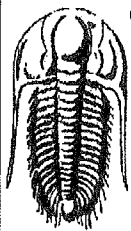
Tool Information

Drill Pipe:	Length: 4240.00 ft	Diameter: 3.80 inches	Volume: 59.48 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume:	60.09 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4350.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4331.00	
Shut In Tool	5.00			4336.00	
Hydraulic tool	5.00			4341.00	
Packer	5.00			4346.00	20.00 Bottom Of Top Packer
Packer	4.00			4350.00	
Stubb	1.00			4351.00	
Recorder	0.00	8373	Inside	4351.00	
Recorder	0.00	8289	Outside	4351.00	
Perforations	3.00			4354.00	
Change Over Sub	1.00			4355.00	
Drill Pipe	31.00			4386.00	
Change Over Sub	1.00			4387.00	
Bullnose	5.00			4392.00	42.00 Bottom Packers & Anchor

Total Tool Length: 62.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 039162

DST#: 7

ATTN: Tim Priest

Test Start: 2010.07.09 @ 20:28:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.34 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	m 100%	0.344

Total Length: 70.00 ft

Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

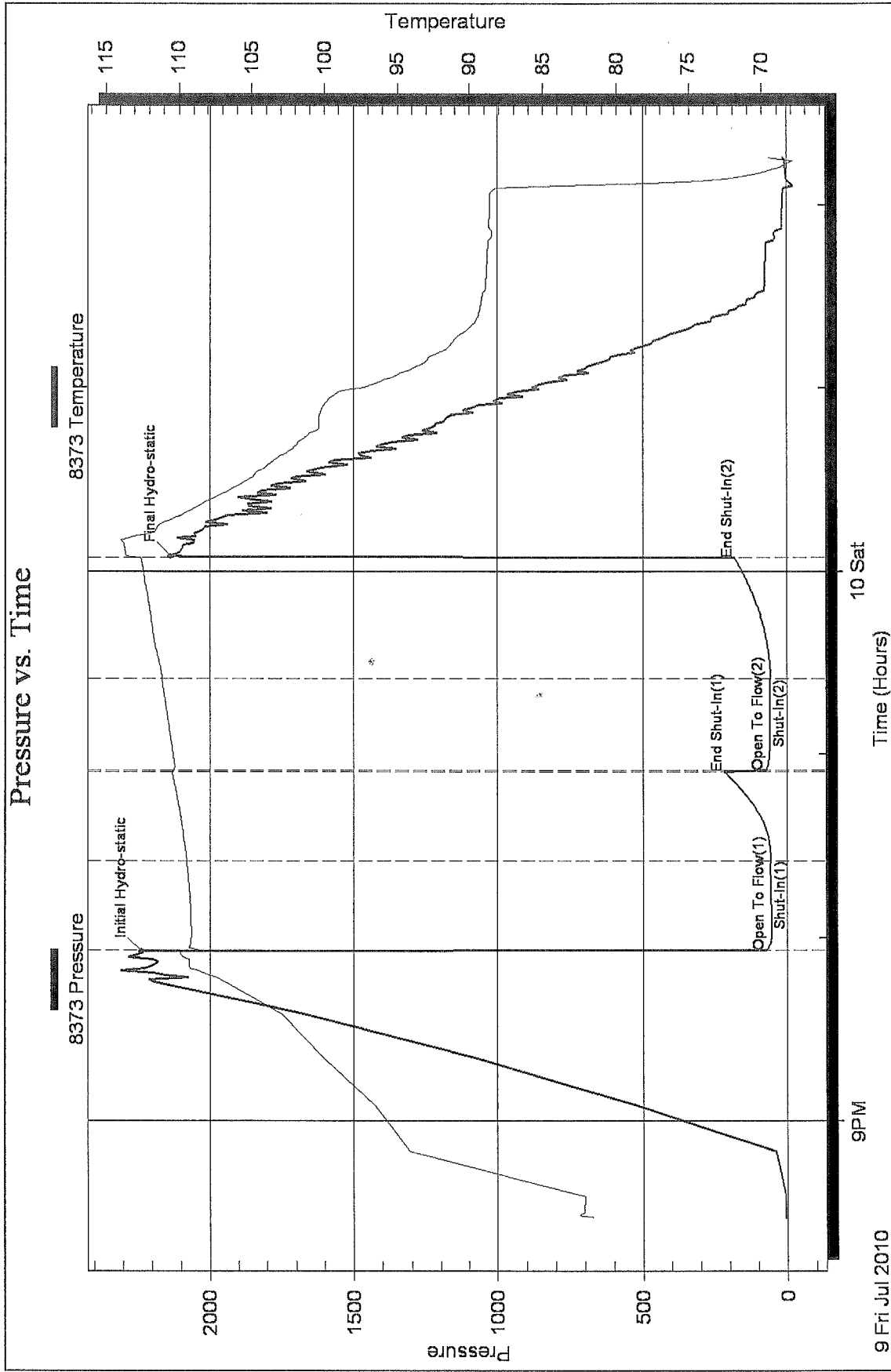
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

17-13-32 Logan, Ks

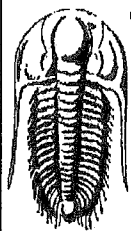
Campbell 1-17

Start Date: 2010.07.10 @ 17:53:00

End Date: 2010.07.10 @ 23:27:00

Job Ticket #: 039163 DST #: 8

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 039163

DST#: 8

ATTN: Tim Priest

Test Start: 2010.07.10 @ 17:53:00

GENERAL INFORMATION:

Formation: **Altamout and Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:42:45

Time Test Ended: 23:27:00

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 35

Interval: **4398.00 ft (KB) To 4451.00 ft (KB) (TVD)**

Reference Elevations: 3027.00 ft (KB)

Total Depth: 4451.00 ft (KB) (TVD)

3017.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8289

Outside

Press@RunDepth: 54.98 psig @ 4399.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.07.10

End Date:

2010.07.10

Last Calib.: 2010.07.10

Start Time: 17:53:05

End Time:

23:26:59

Time On Btm: 2010.07.10 @ 19:42:30

Time Off Btm: 2010.07.10 @ 21:43:15

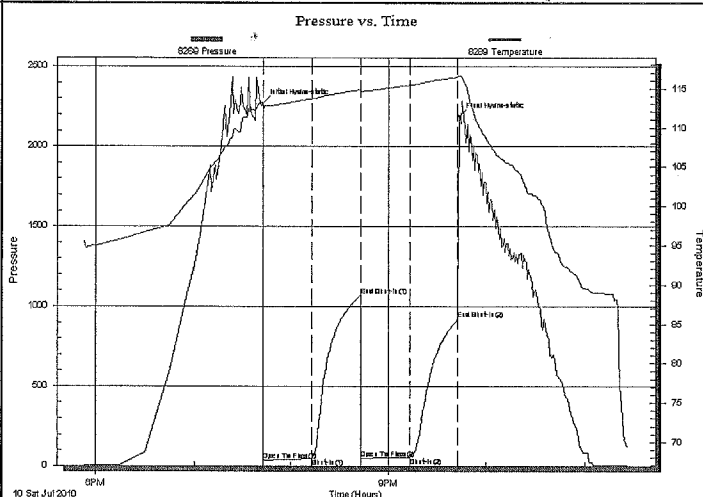
TEST COMMENT: IF:Weak surface blow died in 9 min.

IS:No return blow

FF:No blow

FS:No return blow

PRESSURE SUMMARY



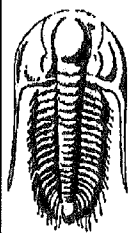
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2272.04	113.20	Initial Hydro-static
1	38.03	112.15	Open To Flow (1)
30	45.06	113.67	Shut-In(1)
61	1068.76	114.86	End Shut-In(1)
61	48.75	114.38	Open To Flow (2)
91	54.98	115.43	Shut-In(2)
120	919.00	116.44	End Shut-In(2)
121	2189.32	116.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	nw os 100% m	0.15

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 039163

DST#: 8

ATTN: Tim Priest

Test Start: 2010.07.10 @ 17:53:00

Tool Information

Drill Pipe:	Length: 4264.00 ft	Diameter: 3.80 inches	Volume: 59.81 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4398.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4379.00	
Shut In Tool	5.00			4384.00	
Hydraulic tool	5.00			4389.00	
Packer	5.00			4394.00	20.00 * Bottom Of Top Packer
Packer	4.00			4398.00	
Stubb	1.00			4399.00	
Recorder	0.00	8373	Inside	4399.00	
Recorder	0.00	8289	Outside	4399.00	
Perforations	4.00			4403.00	
Change Over Sub	1.00			4404.00	
Drill Pipe	31.00			4435.00	
Change Over Sub	1.00			4436.00	
Perforations	10.00			4446.00	
Bullnose	5.00			4451.00	53.00 Bottom Packers & Anchor

Total Tool Length: 73.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 039163

DST#: 8

ATTN: Tim Priest

Test Start: 2010.07.10 @ 17:53:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	mw os 100%m	0.148

Total Length: 30.00 ft

Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

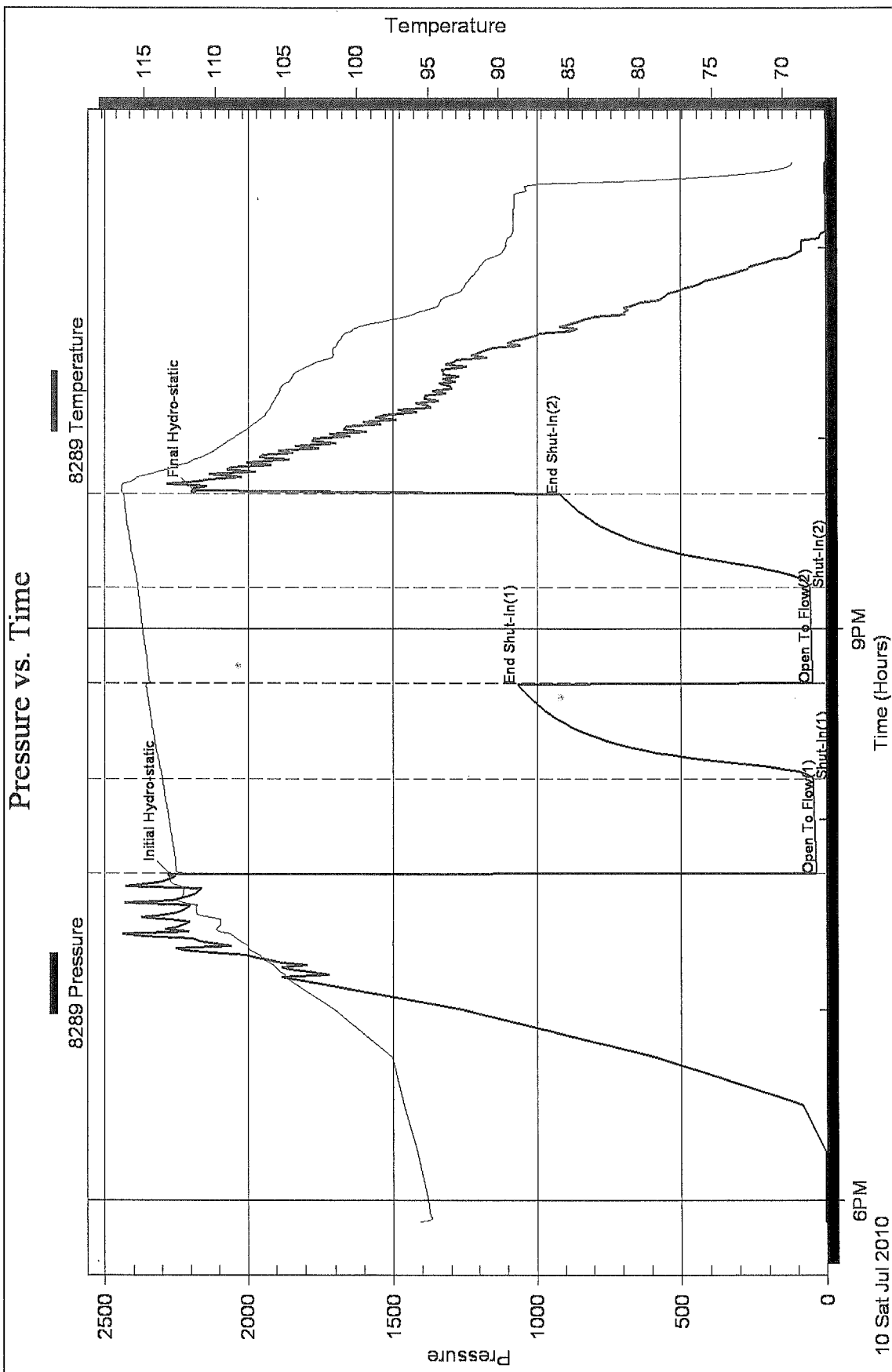
Serial #:

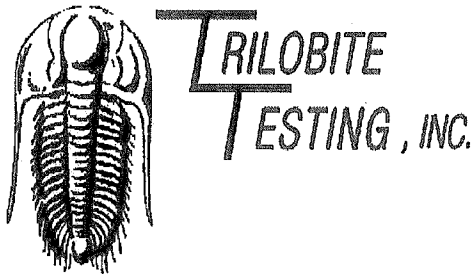
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

17-13-32 Logan, Ks

Campbell 1-17

Start Date: 2010.07.11 @ 13:45:51

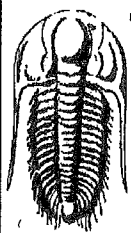
End Date: 2010.07.11 @ 21:06:45

Job Ticket #: 39092 DST #: 9

Trilobite Testing, Inc

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co.

202 W Main St.
Salem IL 62881

ATTN: Tim Priest

Campbell 1-17

17-13-32 Logan, Ks

Job Ticket: 39092

DST#: 9

Test Start: 2010.07.11 @ 13:45:51

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:30:31

Time Test Ended: 21:06:45

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4482.00 ft (KB) To 4528.00 ft (KB) (TVD)**

Total Depth: 4528.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3027.00 ft (KB)

3017.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press@RunDepth: 157.40 psig @ 4483.00 ft (KB)

Start Date: 2010.07.11

End Date:

2010.07.11

Start Time: 13:45:51

End Time:

21:06:45

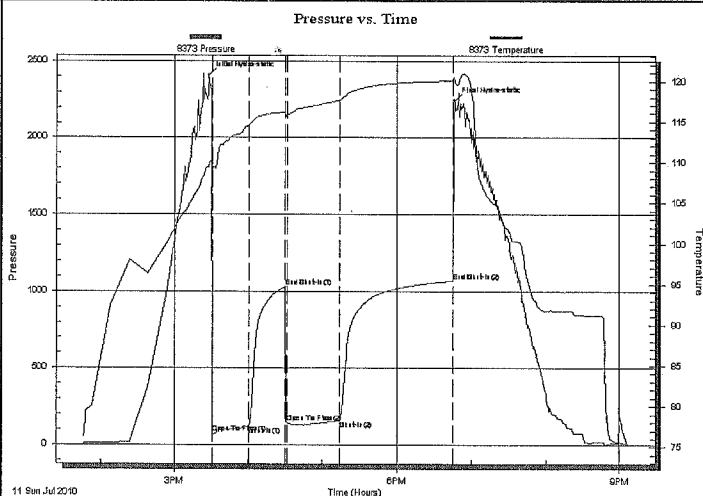
Capacity: 8000.00 psig

Last Calib.: 2010.07.11

Time On Btm: 2010.07.11 @ 15:28:01

Time Off Btm: 2010.07.11 @ 18:46:15

TEST COMMENT: IF: 1/4 blow BOB in 12 min.
IS: Surface blow never built.
FF: 1/4 blow BOB in 7 min.
FS: Surface blow built to 3 in 90 min.



PRESSURE SUMMARY

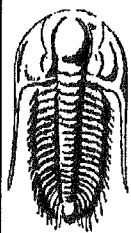
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2405.17	109.43	Initial Hydro-static
3	73.34	109.24	Open To Flow (1)
33	117.09	114.59	Shut-In(1)
62	1028.83	116.18	End Shut-In(1)
64	143.16	115.67	Open To Flow (2)
106	157.40	117.67	Shut-In(2)
197	1068.81	120.07	End Shut-In(2)
199	2241.99	120.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mw cgo 30%g 50%o 10%w 10%m	0.61
186.00	mcgo 40%g 40%o 20%m	2.61
93.00	gocm 20%g 20%o 60%m	1.30
0.00	806 GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 39092

DST#: 9

ATTN: Tim Priest

Test Start: 2010.07.11 @ 13:45:51

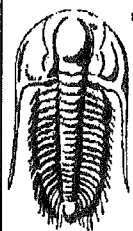
Tool Information

Drill Pipe:	Length: 4358.00 ft	Diameter: 3.80 inches	Volume: 61.13 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 100000.0 lb
		Total Volume:	61.74 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4482.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4463.00	
Shut In Tool	5.00			4468.00	
Hydraulic tool	5.00			4473.00	
Packer	5.00			4478.00	20.00 Bottom Of Top Packer
Packer	4.00			4482.00	
Stubb	1.00			4483.00	
Recorder	0.00	8373	Inside	4483.00	
Recorder	0.00	8289	Outside	4483.00	
Perforations	7.00			4490.00	
Change Over Sub	1.00			4491.00	
Drill Pipe	31.00			4522.00	
Change Over Sub	1.00			4523.00	
Bullnose	5.00			4528.00	46.00 Bottom Packers & Anchor

Total Tool Length: 66.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

Job Ticket: 39092

DST#: 9

ATTN: Tim Priest

Test Start: 2010.07.11 @ 13:45:51

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 8.78 in³

Resistivity: 0.00 ohm.m

Salinity: 5600.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

30 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	nw cgo 30%g 50%o 10%w 10%m	0.610
186.00	mcgo 40%g 40%o 20%m	2.609
93.00	gocm 20%g 20%o 60%m	1.305
0.00	806 GIP	0.000

Total Length: 403.00 ft

Total Volume: 4.524 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 32@80=30

Pressure vs. Time

